alternative embodiments, the voltage is tested between approximately every two to one hundred sixty four seconds.

IN THE CLAIMS

1. (once amended) A method for protecting an electrical device, said method comprising the steps of:

monitoring a line rms voltage to detect a high voltage condition such that the rms voltage is above a predetermined voltage range;

monitoring the line rms voltage to detect a low voltage condition such that the rms voltage is below the predetermined range; and

electrically isolating the electrical device such that the electrical device does not receive electricity when at least one of a high voltage condition and a low voltage condition is detected.

2. (once amended) A method according to Claim 1 further comprising the step of monitoring the line rms voltage after electrically isolating the electrical device.

3. (once amended) A method according to Claim 2 further comprising the step of restoring power to the electrical device when the line rms voltage is within the predetermined voltage range.

4. (once amended) A method according to Claim 1 further comprising the step of providing a visual indication that the line rms voltage is being monitored.

9. (once amended) A method according to Claim 1 wherein said step of monitoring the line rms voltage comprises the step of providing a visual indication when the line voltage is being tested.

10. (once amended) A circuit for protecting an electrical device, said circuit configured to:

monitor a line rms voltage to detect a rms voltage above a predetermined voltage range;

monitor the line rms voltage to detect a rms voltage below the predetermined range; and

electrically isolate the electrical device such that the electrical device does not receive electricity when at least one of a rms voltage above the predetermined voltage range and a rms voltage below the predetermined range is detected.

11. (once amended) A circuit according to Claim 10 further configured to monitor the line rms voltage after electrically isolating the electrical device.

12. (once amended) A circuit according to Claim 11 further configured to restore power to the electrical device when the line rms voltage is within the predetermined voltage range.

14. (once amended) A circuit according to Claim 10 further configured to provide a visual indication when a rms voltage below the predetermined voltage range is detected.

15. (once amended) A circuit according to Claim 10 further configured to:

provide a visual indication when a rms voltage below the predetermined voltage range is detected; and

provide a visual indication when a rms voltage above the predetermined voltage range is detected.

16. (once amended) A circuit according to Claim 12 further configured to provide a visual indication when a rms voltage below the predetermined voltage range is detected.

17. (once amended) A circuit according to Claim 12 further configured to:

provide a visual indication when a rms voltage below the predetermined voltage range is detected; and

provide a visual indication when a rms voltage above the predetermined voltage range is detected.

20. (once amended) A circuit for protecting an electrical device, said circuit configured to: